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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/025,302	12/18/2001	Xiaofan Wang	2705-147	3337

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MARGER JOHNSON & MCCOLLOM, P.C.
1030 SW MORRISON STREET
PORTLAND, OR 97205

EXAMINER
BILGRAMI, ASGHAR H

ART UNIT	PAPER NUMBER
2143	

DATE MAILED: 06/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	**Applicant(s)**	
Office Action Summary	10/025,302	WANG, XIAOFAN	
	Examiner	**Art Unit**	
	Asghar Bilgrami	2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>25 March 2005</u>.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-26* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-26* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *18 December 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Title Objection

The title of this application is not descriptive and does not coincide with the invention.

Appropriate changes are required.

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2.   Claims 1-26 are rejected under 35 U.S.C. 102(b) as being anticipated by I'Anson et al

(U.S. 6,760,046).

3.   As per claims 1, 7, 15, 17, 23, 24, 25 & 26 I'Anson disclosed a method of operating a

client that retrieves resources using HTTP commands, the method comprising: accessing a

public-switched-telephone-network line; dialing, on the accessed line, a public-switched-

telephone-network access number for a point-to-point HTTP server; indicating that the client

requests termination of the line as an HTTP connection to the point-to-point HTTP server; and

interacting with the point-to-point HTTP server over the accessed line using HTTP protocol

requests and responses without the necessity of an intervening packet-routing network (col.8,

lines 63-67 & col.9, lines 1-27).

4.   As per claim 2 Bhatia disclosed the method of claim 1, further comprising the client

examining a uniform resource locator for a requested resource, and distinguishing from the

contents of the uniform resource locator whether the requested resource is reachable via a point-

to-point HTTP server (col.8, lines 63-67, col.9, lines 1-27 & col.12, lines 46-65).

5.   As per claim 3 Bhatia disclosed the method of claim 2, wherein a uniform resource

locator's contents indicate a point-to-point-HTTP-reachable resource by the presence of a point-

to-point-HTTP-unique identifier in the service name field (col.8, lines 63-67, col.9, lines 1-27 &

col.12, lines 46-65).

6.   As per claim 4 Bhatia disclosed the method of claim 2, wherein a uniform resource

locator's contents indicate a point-to-point-HTTP-reachable resource by the presence of a

telephone number in the domain name field (col.12, lines 66-67& col.13, lines 1-9).

7.   As per claim 5 Bhatia disclosed the method of claim 1, wherein indicating that the client

requests termination of the line as an HTTP connection comprises transmitting at least one tone

indicative of a point-to-point HTTP session, on the accessed (col.8, lines 63-67, col.9, lines 1-27

& col.12, lines 46-65).

8.   As per claim 6 Bhatia disclosed the method of claim 1, wherein indicating that the client

requests termination of the line as an HTTP connection comprises requesting a TCP connection

to a TCP port on the HTTP server designated for point-to-point HTTP service (col.8, lines 63-67,

col.9, lines 1-27 & col.12, lines 46-65).

9.   As per claim 8 Bhatia disclosed the method of claim 7, further comprising detecting that

an. incoming call is of a point-to-point call type by detecting a signal comprising at least one

tone on the public-switched-telephone-network line, the signal indicative of a point-to-point

HTTP call type (col.8, lines 63-67, col.9, lines 1-27 & col.12, lines 46-65).

10.   As per claim 9 Bhatia disclosed the method of claim 7, further comprising detecting that

an incoming call is of a point-to-point call type by designating a TCP port on the HTTP server

for point-to-point HTTP service, and associating an incoming call requesting a connection to that

TCP port as a request for point-to-point HTTP service (col.7, lines 15-35, col.8, lines 63-67,

col.9, lines 1-27 & col.12, lines 46-65).

11.   As per claim 10 Bhatia disclosed the method of claim 7, further comprising requesting

authentication of the client as an authorized user (col.10, lines 3-31).

12.   As per claim 11 Bhatia disclosed the method of claim 7, further comprising parsing a

resource path present in an HTTP request received from the client, determining whether the

resource path is for a resource available at the server (col.4, lines 50-67), and when the resource

path is for a resource not available at the server, determining whether the server can obtain the

resource from a remote host (col.8, lines 63-67, col.9, lines 1-53 & col.12, lines 46-65).

13.   As per claim 12 Bhatia disclosed the method of claim 11, where determining whether the server can obtain the resource from a remote host comprises parsing a host identifier from the resource path (col.8, lines 63-67, col.9, lines 1-53 & col.12, lines 46-65).

14.   As per claim 13 Bhatia disclosed the method of claim 12, further comprising comparing the host identifier to identifiers contained in an information base available to the server (col.8, lines 63-67, col.9, lines 1-53 & col.12, lines 46-65).

15.   As per claim 14 Bhatia disclosed the method of claim 11, wherein when the server determines that the resource is available from the remote host, the method further comprises requesting the resource from the remote host, receiving the resource from the remote host, and forwarding the resource to the client (col.8, lines 63-67, col.9, lines 1-53 & col.12, lines 46-65).

16.   As per claim 16 Bhatia disclosed the HTTP server of claim 15, further comprising means for serving HTTP requests from the HTTP client for resources that do not reside on the server (col.8, lines 63-67, col.9, lines 1-53 & col.12, lines 46-65).

17.   As per claim 18 Bhatia disclosed the 11TTP server of claim 17, wherein the modem resource is capable of establishing multiple link layer connections to different clients, and wherein the point-to-point HTTP service is capable of serving concurrent HTTP requests from multiple clients via the modem resource (col.8, lines 51-67, col.9, lines 1-53 & col.12, lines 46-65).

18.   As per claim 19 Bhatia disclosed the HTTP server of claim 18, further comprising a TCP

driver, wherein each client connects to the HTTP server by requesting a connection to a TCP

port designated for the HTTP service, and the HTTP service identifies different clients by TCP

socket (col.7, lines 15-35, col.8, lines 63-67, col.9, lines 1-27 & col.12, lines 46-65).

19.   As per claim 20 Bhatia disclosed the HTTP server of claim 17, further comprising a

default resource to be returned to the client when the client submits an empty resource request

(col.7, lines 15-35, col.8, lines 63-67, col.9, lines 1-27 & col.12, lines 46-65).

20.   As per claim 21 Bhatia disclosed the HTTP server of claim 17, further comprising an

HTTP remote retrieval service capable of serving resources to a client, where those resources are

not physically located on the server but are hosted on a separate host connected to the HTTP

server by a data network (col.7, lines 15-35, col.8, lines 63-67, col.9, lines 1-27 & col.12, lines

46-65).

21.   As per claim 22 Bhatia disclosed the HTTP server of claim 17, wherein the modem

resource comprises a data network tunnel to a remote network access device (col.7, lines 15-35,

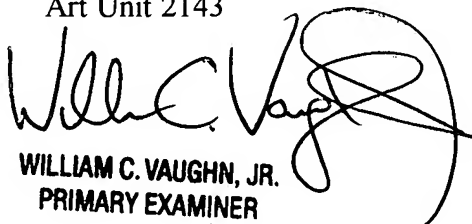col.8, lines 63-67, col.9, lines 1-27 & col.12, lines 46-65).

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Asghar Bilgrami whose telephone number is 571-272-3907. The

examiner can normally be reached on M-F, 8:00-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Wiley can be reached on 571-272-3923. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Asghar Bilgrami
Examiner
Art Unit 2143

AB

WILLIAM C. VAUGHN, JR.
PRIMARY EXAMINER